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L40	L39 AND IGF-1$	2	L40
L39	L38 AND peripheral	128	L39
L38	nerve AND avulsion	162	L38
L37	L36 AND avulsion	2	L37
L36	L35 AND IGF-1	186	L36
L35	L34 AND peripheral$	542	L35
L34	L33 AND damage	731	L34
L33	L31 AND sever$	1369	L33
L32	L31 AND server$	29	L32
L31	L28 AND IGF$	1524	L31
L30	L28 AND IFG$	33	L30
L29	L28 AND IGF	1449	L29
L28	nerve	40175	L28
L27	poly-3-hydroxy-butyrate	8	L27
L26	L25 AND nerve	74	L26
L25	L24 AND method	77	L25
L24	L23 AND growth	79	L24
L23	L22 AND factor	85	L23
L22	L21 AND damage	88	L22
L21	motorneuron$	149	L21
L20	L19 AND motorneuron or motorneurone	31	L20
L19	L18 AND damage	4375	L19
L18	PNS	47318	L18
L17	L16 AND nervous	1	L17
L16	L15 AND L14	79	L16
L15	peripheral	887223	L15
L14	periperhal	91	L14
L13	L11 AND IGF-1E$	4	L13
L12	L11 AND IGF-1E	0	L12
L11	L10 AND IGF-1	1885	L11
L10	IGF	4689	L10

L9	IGF-1Ea OR IGF-1Ec OR IGF-1Eb OR IFG-1E	1	L9
L8	L7 AND PNS	5	L8
L7	L6 AND nerve	57	L7
L6	L4 AND factor	380	L6
L5	L4 AND mechano	3	L5
L4	MGF	1802	L4
L3	MGF	1802	L3
L2	((Goldspink OR Terenghi)[IN])	29	L2
L1	(Goldspink OR Terenghi)[IN]	29	L1

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Related Resources

1: Yang SY, Goldspink G. Related Articles, Links

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2: Goldspink G. Related Articles, Links

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PMID: 12023866 [PubMed - in process]

3: Goldspink G, Yang SY. Related Articles, Links

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Int J Sport Nutr Exerc Metab. 2001 Dec;11 Suppl:S21-7. Review.
PMID: 11915923 [PubMed - indexed for MEDLINE]

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6: Kessler D, Dethlefsen S, Haase I, Plomann M, Hirche F, Krieg T, Eckes B. Related Articles, Links

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7: Chaqour B, Howard PS, Macarak EJ. Related Articles, Links

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Semin Cell Biol. 1993 Apr;4(2):139-47. Review.
PMID: 8391345 [PubMed - indexed for MEDLINE]

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[Mechanisms of vascular hypertrophy in hypertension]
Arch Mal Coeur Vaiss. 1993 Jan;86 Spec No 1:67-72. French.
PMID: 8215782 [PubMed - indexed for MEDLINE]

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Franz Volhard lecture. Increased systemic vascular resistance and primary hypertension: the expanding complexity.
J Hypertens Suppl. 1990 Dec;8(7):S15-27. Review.
PMID: 2095384 [PubMed - indexed for MEDLINE]

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Related Resources

1: Bloor CA, Knight RA, Kedia RK, Spiteri MA, Allen JT. Related Articles, Links

Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis.
Am J Respir Crit Care Med. 2001 Jul 15;164(2):265-72.
PMID: 11463599 [PubMed - indexed for MEDLINE]

2: Allen JT, Bloor CA, Kedia RK, Knight RA, Spiteri MA. Related Articles, Links

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3: Yang S, Alnaqeeb M, Simpson H, Goldspink G. Related Articles, Links

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1: Bloor CA, Knight RA, Kedia RK, Spiteri MA, Allen JT. Related Articles, Links

Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis.

Am J Respir Crit Care Med. 2001 Jul 15;164(2):265-72.
PMID: 11463599 [PubMed - indexed for MEDLINE]

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ACCESSION NUMBER:    2001:134474  BIOSIS
DOCUMENT NUMBER:     PREV200100134474
TITLE:               Rescue of injured adult   ***motoneurones***   with the
                     gene for a splice variant of IGF-I (  ***MGF***  ) isolated
                     from skeletal muscle.
AUTHOR(S):           Johnson, I. P.; Cannon, J.; Goldspink, G.; Yang, S. Y.;
                     Aperghis, M.
SOURCE:              Society for Neuroscience Abstracts, (2000) Vol. 26, No.
                     1-2, pp. Abstract No.-792.3. print.
                     Meeting Info.: 30th Annual Meeting of the Society of
                     Neuroscience New Orleans, LA, USA November 04-09, 2000
                     Society for Neuroscience
                     . ISSN: 0190-5295.
DOCUMENT TYPE:       Conference
LANGUAGE:            English
SUMMARY LANGUAGE:    English


=> D L4 2-20 IBIB

L4   ANSWER 2 OF 40  BIOSIS  COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER:    1989:203505  BIOSIS
DOCUMENT NUMBER:     BA87:104409
TITLE:               IDENTIFICATION OF NEURONS INVOLVED IN THE EARTHWORM
                     AMYNTHAS-HAWAYANUS REFLEX ACTIVITY.
AUTHOR(S):           CHANG Y C; ASSME Z
CORPORATE SOURCE:    DEP. PHYSIOL., FEDERAL UNIV., PARANA,. CP 8621, CURITIBA
                     80021, BRAZIL.
SOURCE:              COMP BIOCHEM PHYSIOL A COMP PHYSIOL, (1989) 92 (2),
                     171-180.
                     CODEN: CBPAB5. ISSN: 0300-9629.
FILE SEGMENT:        BA; OLD
LANGUAGE:            English

L4   ANSWER 3 OF 40  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:        2001:833367  CAPLUS
DOCUMENT NUMBER:         135:367228
TITLE:                   Insulin-like growth factor I splice variant
                         mechano-growth factor for use in nerve damage repair
                         and treatment
INVENTOR(S):             Goldspink, Geoffrey; Terenghi, Giorgio
PATENT ASSIGNEE(S):      University College London, UK; East Grinstead Medical
                         Research Trust
SOURCE:                  PCT Int. Appl., 65 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.         KIND  DATE          APPLICATION NO.   DATE
     ---------------    ----  --------      ---------------   --------
     WO 2001085781      A2    20011115      WO 2001-GB2054    20010510
     WO 2001085781      A3    20020328

     US 2002083477      A1    20020627      US 2001-852261    20010510
PRIORITY APPLN. INFO.:                  GB 2000-11278    A   20000510

L4   ANSWER 4 OF 40  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:        1997:677722  CAPLUS
DOCUMENT NUMBER:         127:304181
```

TITLE: Sublethal effects of environmental toxicants on oligochaete escape reflexes
AUTHOR(S): Drewes, Charles D.
CORPORATE SOURCE: Department of Zoology and Genetics, Iowa State University, Ames, IA, 50011, USA
SOURCE: American Zoologist (1997), 37(4), 346-353
CODEN: AMZOAF; ISSN: 0003-1569
PUBLISHER: Society for Integrative and Comparative Biology
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 5 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAU10564 Protein DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 6 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAU10563 Protein DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 7 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAU10562 Protein DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 8 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAU10561 Protein DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 9 OF 40 DGENE (C) 2002 THOMSON DERWENT

ACCESSION NUMBER: AAU10560 Protein DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 10 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAU10559 Protein DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 11 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02531 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 12 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02456 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 13 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02452 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 14 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02451 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 15 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02450 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 16 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02449 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 17 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02448 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 18 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAE02447 Protein DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 19 OF 40 DGENE (C) 2002 THOMSON DERWENT

ACCESSION NUMBER: AAS16884 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 20 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16883 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

=> D L4 21-40 IBIB

L4 ANSWER 21 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16882 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 22 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16881 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 23 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16880 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p

APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 24 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16879 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 25 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16878 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 26 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAS16877 cDNA DGENE
TITLE: Use of insulin-like growth factor I (IGF-I) isoform known as mechano-growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneuron*** loss in response to nerve avulsion, to treat nerve damage -
INVENTOR: Goldspink G; Terenghi G
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
(EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST.
PATENT INFO: WO 2001085781 A2 20011115 65p
APPLICATION INFO: WO 2001-GB2054 20010510
PRIORITY INFO: GB 2000-11278 20000510
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2002-055585 [07]

L4 ANSWER 27 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06405 cDNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 28 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06404 cDNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I

PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A[redacted]0010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 29 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06403 cDNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 30 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06402 DNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 31 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06401 DNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 32 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06400 cDNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 33 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06399 cDNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.

PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 34 OF 40 DGENE (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: AAD06398 cDNA DGENE
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder -
INVENTOR: Goldspink G; Johnson I
PATENT ASSIGNEE: (UNLO)UNIV COLLEGE LONDON.
PATENT INFO: WO 2001036483 A1 20010525 66p
APPLICATION INFO: WO 2000-GB4354 20001115
PRIORITY INFO: GB 1999-26968 19991115
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: 2001-355620 [37]

L4 ANSWER 35 OF 40 IFIPAT COPYRIGHT 2002 IFI
AN 10139850 IFIPAT;IFIUDB;IFICDB
TITLE: REPAIR OF NERVE DAMAGE
INVENTOR(S): Goldspink; Geoffrey, London, GB
Terenghi; Giorgio, London, GB
PATENT ASSIGNEE(S): Unassigned
AGENT: NIXON & VANDERHYE P.C. 8th Floor, 1100 North Glebe Rd., Arlington, VA, 22201-4714, US

	NUMBER	PK	DATE
PATENT INFORMATION:	US 2002083477	A1	20020627
APPLICATION INFORMATION:	US 2001-852261		20010510

	NUMBER	DATE
PRIORITY APPLN. INFO.:	GB 2000-112789	20000510
FAMILY INFORMATION:	US 2002083477	20020627

DOCUMENT TYPE: Utility
Patent Application - First Publication
FILE SEGMENT: CHEMICAL
APPLICATION
NUMBER OF CLAIMS: 13 23 Figure(s).

DESCRIPTION OF FIGURES:
FIG. 1: Total numbers of ***motoneurones*** in the facial motor nucleus
KEY
1: normal
2: 1 month crush
3: 1 month avulsion
4: plasmid only-1 month avulsion
5: IGF-I plasmid-1 month avulsion
6: ***MGF*** plasmid-1 month avulsion
right: operated side; left: non-operated side
FIG. 2: Avulsion (control experiments)
(a) Low magnification view of a transverse section through the brainstem at the level of the facial nucleus, 1 month following facial nerve avulsion. Numbers of ***motoneurones*** in the facial nucleus of the operated side (b) are markedly reduced compared to the non-operated nucleus (arrow and inset c). 70 mu m vibratome section stained with YOYO and viewed using epifluorescence.
FIG. 3: Plasmid experiments
(a) Low magnification view of the brainstem at the level of the facial nucleus Plasmid DNA without any gene insert was injected into the right snout muscle. 7 days later the right facial nerve was avulsed and the animal allowed to survive for 1 month. Like the effect of avulsion only (FIG. 1), numbers of ***motoneurones*** in the facial nucleus of the operated side (c) are markedly reduced compared to the non-operated nucleus (arrow and inset b) 70 mu m vibratome section stained with YOYO and viewed using epiflourescence.
FIG. 4: ***MGF*** plasmid experiments
(a) Low magnification view of the brainstem at the level of the facial nucleus. Plasmid DNA containing the rat ***MGF*** gene was injected into the right snout muscle. 7 days later the right facial nerve was avulsed and the animal allowed to survive for 1 month Numbers of ***motoneurones*** in the facial nucleus of the operated side (b) are similar to the non-operated nucleus (arrow

and inset c). 70 mu m vibratome section stained with YOYO and viewed using epiflourescence.
FIG. 5: cDNA and amino acid sequence of human ***MGF*** , showing its exon structure
FIG. 6: cDNA and amino acid sequence of rat ***MGF*** , showing its exon structure
FIG. 7: cDNA and amino acid sequence of rabbit ***MGF*** , showing its exon structure
FIG. 8: cDNA and amino acid sequence of human L.IGF-I, showing its exon structure
FIG. 9: cDNA and amino acid sequence of rat L-IGF-I, showing its exon structure
FIG. 10: cDNA and amino acid sequence of rabbit L-IGF-I, showing its exon structure
FIG. 11: Sequence alignment, illustrating exon structure of human, rat and rabbit ***MGF*** and L-IGF-I, and highlighting similarities and differences
FIG. 12. Staining for axon (Pan NF, in red in original colour) and supporting Schwann cells (S100, in green in original colour) showing axonal regeneration in the three experimental groups. The axon regrowth in the ***MGF*** group is more abundant and reaches further into the distal nerve than the axons in the other two experimental groups. Top centre; ***MGF*** , lower left; control with "empty" vector, lower right: L.IGF.

L4 ANSWER 36 OF 40 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 89:21525 LIFESCI
TITLE: Identification of neurons involved in the earthworm Amynthas hawayanus reflex activity.
AUTHOR: Chang, Y.C.; Assme, Z.
CORPORATE SOURCE: Dep. Physiol., Fed. Univ. Parana, CP 8621, Curitiba 80021, Brazil
SOURCE: COMP. BIOCHEM. PHYSIOL., A., (1989) vol. 92A, no. 2, pp. 171-179.
DOCUMENT TYPE: Journal
FILE SEGMENT: N3
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 37 OF 40 TOXCENTER COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:203405 TOXCENTER
COPYRIGHT: Copyright 2002 ACS
DOCUMENT NUMBER: CA12722304181D
TITLE: Sublethal effects of environmental toxicants on oligochaete escape reflexes
AUTHOR(S): Drewes, Charles D.
CORPORATE SOURCE: Department of Zoology and Genetics, Iowa State University, Ames, IA, 50011, USA.
SOURCE: American Zoologist, (1997) Vol. 37, No. 4, pp. 346-353. CODEN: AMZOAF. ISSN: 0003-1569.
COUNTRY: UNITED STATES
DOCUMENT TYPE: Journal
FILE SEGMENT: CAPLUS
OTHER SOURCE: CAPLUS 1997:677722
LANGUAGE: English
ENTRY DATE: Entered STN: 20011116
Last Updated on STN: 20020618

L4 ANSWER 38 OF 40 USPATFULL
ACCESSION NUMBER: 2002:158863 USPATFULL
TITLE: Repair of nerve damage
INVENTOR(S): Goldspink, Geoffrey, London, UNITED KINGDOM
Terenghi, Giorgio, London, UNITED KINGDOM

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002083477	A1	20020627	
APPLICATION INFO.:	US 2001-852261	A1	20010510	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2000-11278	20000510

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Rd., Arlington, VA, 22201-4714
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Page(s)

LINE COUNT: 1274
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 39 OF 40 WPIDS (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: 2002-055585 [07] WPIDS
DOC. NO. CPI: C2002-015946
TITLE: Use of insulin-like growth factor-I (IGF-I) isoform known as mechano growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce ***motoneurone*** loss in response to nerve avulsion, to treat nerve damage.
DERWENT CLASS: B04 D16
INVENTOR(S): GOLDSPINK, G; TERENGHI, G
PATENT ASSIGNEE(S): (EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST; (UNLO) UNIV COLLEGE LONDON; (GOLD-I) GOLDSPINK G; (TERE-I) TERENGHI G
COUNTRY COUNT: 96
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001085781	A2	20011115	(200207)*	EN	65
AU 2001052439	A	20011120	(200219)		
US 2002083477	A1	20020627	(200245)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001085781	A2	WO 2001-GB2054	20010510
AU 2001052439	A	AU 2001-52439	20010510
US 2002083477	A1	US 2001-852261	20010510

FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 2001052439	A	Based on	WO 200185781

PRIORITY APPLN. INFO: GB 2000-11278 20000510

L4 ANSWER 40 OF 40 WPIDS (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: 2001-355620 [37] WPIDS
DOC. NO. CPI: C2001-110290
TITLE: Use of mechano-growth factor, an isoform of Insulin-like Growth Factor-I, capable of reducing ***motoneurone*** loss, in the manufacture of a medicament for the treatment of neurological disorder.
DERWENT CLASS: B04
INVENTOR(S): GOLDSPINK, G; JOHNSON, I
PATENT ASSIGNEE(S): (UNLO) UNIV COLLEGE LONDON
COUNTRY COUNT: 28
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001036483	A1	20010525	(200137)*	EN	66
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
W: JP US					
EP 1235858	A1	20020904	(200266)	EN	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001036483	A1	WO 2000-GB4354	20001115
EP 1235858	A1	EP 2000-976142	20001115
		WO 2000-GB4354	20001115

FILING DETAILS:

PATENT NO	KIND		PATENT NO
EP 1235858	A1	Based on	WO 200136483

PRIORITY APPLN. INFO: GB 1999-269[redacted] 19991115

=> DUP REMOVE L4
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE, DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, FOREGE, GENBANK, KOSMET, MEDICONF, PHAR, PHARMAML, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L4
L5 36 DUP REMOVE L4 (4 DUPLICATES REMOVED)

=> s IGF-1E?
35 FILES SEARCHED...
L7 26 IGF-1E?

=> D L7 1-26 IBIB

L7 ANSWER 1 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:418274 BIOSIS
DOCUMENT NUMBER: PREV200100418274
TITLE: Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis.
AUTHOR(S): Bloor, Claire A. (1); Knight, Richard A.; Kedia, Ravindra K.; Spiteri, Monica A.; Allen, Jeremy T.
CORPORATE SOURCE: (1) North Staffordshire Hospital, Newcastle Road, Stoke-on-Trent, ST4 6QG: mec01@cc.keele.ac.uk UK
SOURCE: American Journal of Respiratory and Critical Care Medicine, (July 15, 2001) Vol. 164, No. 2, pp. 265-272. print.
ISSN: 1073-449X.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 2 OF 26 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1996:511062 BIOSIS
DOCUMENT NUMBER: PREV199699233418
TITLE: Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch.
AUTHOR(S): Yang, Shiyu; Alnaqeeb, Majed; Simpson, Hamish; Goldspink, Geoffrey (1)
CORPORATE SOURCE: (1) Dep. Anatomy Developmental Biol., Royal Free Hosp. Sch. Med., Rowland Hill St., London NW3 2PF UK
SOURCE: Journal of Muscle Research and Cell Motility, (1996) Vol. 17, No. 4, pp. 487-495.
ISSN: 0142-4319.
DOCUMENT TYPE: Article
LANGUAGE: English

L7 ANSWER 3 OF 26 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
ACCESSION NUMBER: 2001:34001293 BIOTECHNO
TITLE: Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis
AUTHOR: Bloor C.A.; Knight R.A.; Kedia R.K.; Spiteri M.A.; Allen J.T.
CORPORATE SOURCE: Dr. C.A. Bloor, Department of Respiratory Medicine, North Staffordshire Hospital, New-castle Road, Stoke-on-Trent, ST4 6QG, United Kingdom.
E-mail: mec01@cc.keele.ac.uk
SOURCE: American Journal of Respiratory and Critical Care Medicine, (15 JUL 2001), 164/2 (265-272), 34 reference(s)
CODEN: AJCMED ISSN: 1073-449X
DOCUMENT TYPE: Journal; Article
COUNTRY: United States
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 4 OF 26 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
ACCESSION NUMBER: 2000:30609712 BIOTECHNO
TITLE: Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its, binding

proteins in human lung
AUTHOR: Allen J.[redacted] Bloor C.A.; Kedia R.K.; Knigh .A.; Spiteri M.A.
CORPORATE SOURCE: Dr. J.T. Allen, Department of Respiratory Medicine, North Staffordshire Hospital, Newcastle Road, Stoke-on-Trent ST4 6QG, United Kingdom. E-mail: mea08@cc.keele.ac.uk
SOURCE: Neuropeptides, (2000), 34/2 (98-107), 36 reference(s) CODEN: NRPPDD ISSN: 0143-4179
DOCUMENT TYPE: Journal; Article
COUNTRY: United Kingdom
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 5 OF 26 BIOTECHNO COPYRIGHT 2002 Elsevier Science B.V.
ACCESSION NUMBER: 1996:26298531 BIOTECHNO
TITLE: Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch
AUTHOR: Yang S.; Alnaqueeb M.; Simpson H.; Goldspink G.
CORPORATE SOURCE: Dept. Anatomy/Developmental Biology, Royal Free Hospital, School of Medicine, Rowland Hill Street,London NW3 2PF, United Kingdom.
SOURCE: Journal of Muscle Research and Cell Motility, (1996), 17/4 (487-495) CODEN: JMRMD3 ISSN: 0142-4319
DOCUMENT TYPE: Journal; Article
COUNTRY: United Kingdom
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:548402 CAPLUS
DOCUMENT NUMBER: 133:203391
TITLE: Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its binding proteins in human lung
AUTHOR(S): Allen, J. T.; Bloor, C. A.; Kedia, R. K.; Knight, R. A.; Spiteri, M. A.
CORPORATE SOURCE: Lung Injury and Inflammation Research Group, Department of Respiratory Medicine, North Staffordshire Hospital, Stoke-on-Trent, ST4 6QG, UK
SOURCE: Neuropeptides (Edinburgh) (2000), 34(2), 98-107 CODEN: NRPPDD; ISSN: 0143-4179
PUBLISHER: Harcourt Publishers Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:625609 CAPLUS
DOCUMENT NUMBER: 127:273304
TITLE: Cloning of cDNA for rabbit insulin-like growth factor 1 and use for treating muscular disorders
INVENTOR(S): Goldspink, Geoffrey
PATENT ASSIGNEE(S): Royal Free Hospital School of Medicine, UK; Goldspink, Geoffrey
SOURCE: PCT Int. Appl., 33 pp. CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9733997	A1	19970918	WO 1997-GB658	19970311
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 894136	A1	19990203	EP 1997-906296	19970311
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000506729	T2	20000606	JP 1997-532359	19970311
US 6221842	B1	20010424	US 1998-142583	19981029

PRIORITY APPLN. INFO.: GB 1996-5124 A 19960311
WO 1997-GB658 W 19970311

L7 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:614236 CAPLUS
DOCUMENT NUMBER: 125:266567
TITLE: Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch
AUTHOR(S): Yang, Shiyu; Alnaqeeb, Majed; Simpson, Hamish; Goldspink, Geoffrey
CORPORATE SOURCE: School Medicine, Royal Free Hospital, London, NW3 2PF, UK
SOURCE: Journal of Muscle Research and Cell Motility (1996), 17(4), 487-495
CODEN: JMRMD3; ISSN: 0142-4319
PUBLISHER: Chapman & Hall
DOCUMENT TYPE: Journal
LANGUAGE: English

L7 ANSWER 9 OF 26 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 2002000823 EMBASE
TITLE: Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis.
AUTHOR: Bloor C.A.; Knight R.A.; Kedia R.K.; Spiteri M.A.; Allen J.T.
CORPORATE SOURCE: Dr. C.A. Bloor, Department of Respiratory Medicine, North Staffordshire Hospital, New-castle Road, Stoke-on-Trent, ST4 6QG, United Kingdom. mec01@cc.keele.ac.uk
SOURCE: American Journal of Respiratory and Critical Care Medicine, (15 Jul 2001) 164/2 (265-272).
Refs: 34
ISSN: 1073-449X CODEN: AJCMED
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
015 Chest Diseases, Thoracic Surgery and Tuberculosis
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 10 OF 26 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 2000275944 EMBASE
TITLE: Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its, binding proteins in human lung.
AUTHOR: Allen J.T.; Bloor C.A.; Kedia R.K.; Knight R.A.; Spiteri M.A.
CORPORATE SOURCE: Dr. J.T. Allen, Department of Respiratory Medicine, North Staffordshire Hospital, Newcastle Road, Stoke-on-Trent ST4 6QG, United Kingdom. mea08@cc.keele.ac.uk
SOURCE: Neuropeptides, (2000) 34/2 (98-107).
Refs: 36
ISSN: 0143-4179 CODEN: NRPPDD
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
015 Chest Diseases, Thoracic Surgery and Tuberculosis
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 11 OF 26 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 96276335 EMBASE
DOCUMENT NUMBER: 1996276335
TITLE: Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch.
AUTHOR: Yang S.; Alnaqueeb M.; Simpson H.; Goldspink G.
CORPORATE SOURCE: Dept. Anatomy/Developmental Biology, Royal Free Hospital, School of Medicine, Rowland Hill Street,London NW3 2PF, United Kingdom
SOURCE: Journal of Muscle Research and Cell Motility, (1996) 17/4 (487-495).
ISSN: 0142-4319 CODEN: JMRMD3
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 002 Physiology
022 Human Genetics
LANGUAGE: English

SUMMARY LANGUAGE: English

L7 ANSWER 12 OF 26 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
ACCESSION NUMBER: 2002000661 Elsevier BIOBASE
TITLE: Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis
AUTHOR: Bloor C.A.; Knight R.A.; Kedia R.K.; Spiteri M.A.; Allen J.T.
CORPORATE SOURCE: Dr. C.A. Bloor, Department of Respiratory Medicine, North Staffordshire Hospital, New-castle Road, Stoke-on-Trent, ST4 6QG, United Kingdom. E-mail: mec01@cc.keele.ac.uk
SOURCE: American Journal of Respiratory and Critical Care Medicine, (15 JUL 2001), 164/2 (265-272), 34 reference(s)
CODEN: AJCMED ISSN: 1073-449X
DOCUMENT TYPE: Journal; Article
COUNTRY: United States
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 13 OF 26 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
ACCESSION NUMBER: 2000177637 Elsevier BIOBASE
TITLE: Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its, binding proteins in human lung
AUTHOR: Allen J.T.; Bloor C.A.; Kedia R.K.; Knight R.A.; Spiteri M.A.
CORPORATE SOURCE: Dr. J.T. Allen, Department of Respiratory Medicine, North Staffordshire Hospital, Newcastle Road, Stoke-on-Trent ST4 6QG, United Kingdom. E-mail: mea08@cc.keele.ac.uk
SOURCE: Neuropeptides, (2000), 34/2 (98-107), 36 reference(s)
CODEN: NRPPDD ISSN: 0143-4179
DOCUMENT TYPE: Journal; Article
COUNTRY: United Kingdom
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 14 OF 26 Elsevier BIOBASE COPYRIGHT 2002 Elsevier Science B.V.
ACCESSION NUMBER: 1996119083 Elsevier BIOBASE
TITLE: Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch
AUTHOR: Yang S.; Alnaqueeb M.; Simpson H.; Goldspink G.
CORPORATE SOURCE: G. Goldspink, Dept. Anatomy/Developmental Biology, Royal Free Hospital, School of Medicine, Rowland Hill Street, London NW3 2PF, United Kingdom.
SOURCE: Journal of Muscle Research and Cell Motility, (1996), 17/4 (487-495)
CODEN: JMRMD3 ISSN: 0142-4319
DOCUMENT TYPE: Journal; Article
COUNTRY: United Kingdom
LANGUAGE: English
SUMMARY LANGUAGE: English

L7 ANSWER 15 OF 26 IFIPAT COPYRIGHT 2002 IFI
AN 2822989 IFIPAT;IFIUDB;IFICDB
TITLE: PRODUCTION OF INSULIN-LIKE GROWTH FACTOR-1 IN METHYLOTROPHIC YEAST CELLS
INVENTOR(S): Brierley, Russell A, Exton, PA
Davis, Geneva R, San Diego, CA
Gleeson, Martin A, San Diego, CA
Holtz, Gregory C, San Diego, CA
Howard, Bradley D, San Diego, CA
PATENT ASSIGNEE(S): The Salk Institute, La Jolla, CA
PRIMARY EXAMINER: Allen, Marianne P
AGENT: Brown Martin Haller & McClain
Seidman, Stephanie

	NUMBER	PK	DATE
PATENT INFORMATION:	US 5612198		19970318
	(CITED IN 002 LATER PATENTS)		
APPLICATION INFORMATION:	US 1994-308196		19940919
EXPIRATION DATE:	18 Mar 2014		

	APPLN. NUMBER	DATE	GRANTED PATENT NO. OR STATUS
CONTINUATION OF:	US 1993-983523	19930303	ABANDONED
CONTINUATION-IN-PART OF:	US 1990-578728	19900904	ABANDONED
FAMILY INFORMATION:	US 5612198	19970318	
DOCUMENT TYPE:	UTILITY REASSIGNED CERTIFICATE OF CORRECTION		
CORRECTION DATE:	9 Jun 1998		
FILE SEGMENT:	CHEMICAL GRANTED		
MICROFILM REEL NO:	008093 FRAME NO: 0930		
NUMBER OF CLAIMS:	56		
GRAPHICS INFORMATION:	6 Drawing Sheet(s), 6 Figure(s).		

L7 ANSWER 16 OF 26 LIFESCI COPYRIGHT 2002 CSA .

ACCESSION NUMBER:	2001:98466 LIFESCI
TITLE:	Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its binding proteins in human lung
AUTHOR:	Allen, J.T.; Bloor, C.A.; Kedia, R.K.; Knight, R.A.; Spiteri, M.A.
CORPORATE SOURCE:	Department of Respiratory Medicine, North Staffordshire Hospital, Newcastle Road, Stoke-on-Trent ST4 6QG, UK; E-mail: mea08@cc.keele.ac.uk
SOURCE:	Neuropeptides, (20000400) vol. 34, no. 2, pp. 98-107. ISSN: 0143-4179.
DOCUMENT TYPE:	Journal
FILE SEGMENT:	N3
LANGUAGE:	English
SUMMARY LANGUAGE:	English

L7 ANSWER 17 OF 26 MEDLINE

ACCESSION NUMBER:	2001414022 MEDLINE
DOCUMENT NUMBER:	21356241 PubMed ID: 11463599
TITLE:	Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis.
AUTHOR:	Bloor C A; Knight R A; Kedia R K; Spiteri M A; Allen J T
CORPORATE SOURCE:	Lung Injury and Inflammation Research Group, Directorate of Respiratory Medicine, North Staffordshire Hospital, Newcastle Road, Stoke-on-Trent, ST4 6QG, United Kingdom.. mec01@cc.keele.ac.uk
SOURCE:	AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE, (2001 Jul 15) 164 (2) 265-72. Journal code: 9421642. ISSN: 1073-449X.
PUB. COUNTRY:	United States
DOCUMENT TYPE:	Journal; Article; (JOURNAL ARTICLE)
LANGUAGE:	English
FILE SEGMENT:	Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH:	200109
ENTRY DATE:	Entered STN: 20011001 Last Updated on STN: 20011001 Entered Medline: 20010927

L7 ANSWER 18 OF 26 MEDLINE

ACCESSION NUMBER:	2001133001 MEDLINE
DOCUMENT NUMBER:	21061263 PubMed ID: 10985926
TITLE:	Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its binding proteins in human lung.
AUTHOR:	Allen J T; Bloor C A; Kedia R K; Knight R A; Spiteri M A
CORPORATE SOURCE:	Lung Injury and Inflammation Research Group, Department of Respiratory Medicine, North Staffordshire Hospital, Stoke-on-Trent, UK.. mea08@cc.keele.ac.uk
SOURCE:	NEUROPEPTIDES, (2000 Apr) 34 (2) 98-107. Journal code: 8103156. ISSN: 0143-4179.
PUB. COUNTRY:	Scotland: United Kingdom
DOCUMENT TYPE:	Journal; Article; (JOURNAL ARTICLE)
LANGUAGE:	English
FILE SEGMENT:	Priority Journals
ENTRY MONTH:	200103
ENTRY DATE:	Entered STN: 20010404 Last Updated on STN: 20010404

Entered Medline: 20010301

L7 ANSWER 19 OF 26 MEDLINE
ACCESSION NUMBER: 97039022 MEDLINE
DOCUMENT NUMBER: 97039022 PubMed ID: 8884603
TITLE: Cloning and characterization of an IGF-1 isoform expressed in skeletal muscle subjected to stretch.
AUTHOR: Yang S; Alnaqeeb M; Simpson H; Goldspink G
CORPORATE SOURCE: Department of Anatomy and Developmental Biology, Royal Free Hospital School of Medicine, London, UK.
SOURCE: JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY, (1996 Aug) 17 (4) 487-95.
Journal code: 8006298. ISSN: 0142-4319.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199702
ENTRY DATE: Entered STN: 19970219
Last Updated on STN: 19970219
Entered Medline: 19970204

L7 ANSWER 20 OF 26 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.
ACCESSION NUMBER: 2001-0445747 PASCAL
COPYRIGHT NOTICE: Copyright .COPYRGT. 2001 INIST-CNRS. All rights reserved.
TITLE (IN ENGLISH): Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis
AUTHOR: BLOOR Claire A.; KNIGHT Richard A.; KEDIA Ravindra K.; SPITERI Monica A.; ALLEN Jeremy T.
CORPORATE SOURCE: Lung Injury and Inflammation Research Group, Directorate of Respiratory Medicine, North Staffordshire Hospital, Stoke-on-Trent, United Kingdom
SOURCE: American journal of respiratory and critical care medicine, (2001), 164(2), 265-272, 34 refs.
ISSN: 1073-449X
DOCUMENT TYPE: Journal
BIBLIOGRAPHIC LEVEL: Analytic
COUNTRY: United States
LANGUAGE: English
AVAILABILITY: INIST-2013, 354000097154840180

L7 ANSWER 21 OF 26 SCISEARCH COPYRIGHT 2002 ISI (R)
ACCESSION NUMBER: 2001:639862 SCISEARCH
THE GENUINE ARTICLE: 459WW
TITLE: Differential mRNA expression of insulin-like growth factor-1 splice variants in patients with idiopathic pulmonary fibrosis and pulmonary sarcoidosis
AUTHOR: Bloor C A (Reprint); Knight R A; Kedia R K; Spiteri M A; Allen J T
CORPORATE SOURCE: N Staffordshire Hosp, Directorate Resp Med, Lung Injury & Inflammat Res Grp, Newcastle Rd, Stoke On Trent ST4 6QG, Staffs, England (Reprint); N Staffordshire Hosp, Directorate Resp Med, Lung Injury & Inflammat Res Grp, Stoke On Trent ST4 6QG, Staffs, England
COUNTRY OF AUTHOR: England
SOURCE: AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE
, (15 JUL 2001) Vol. 164, No. 2, pp. 265-272.
Publisher: AMER THORACIC SOC, 1740 BROADWAY, NEW YORK, NY 10019-4374 USA.
ISSN: 1073-449X.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 34
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 22 OF 26 SCISEARCH COPYRIGHT 2002 ISI (R)
ACCESSION NUMBER: 2000:584330 SCISEARCH
THE GENUINE ARTICLE: 338NW
TITLE: Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its binding proteins in human lung
AUTHOR: Allen J T (Reprint); Bloor C A; Kedia R K; Knight R A; Spiteri M A
CORPORATE SOURCE: N STAFFORDSHIRE HOSP, DEPT RESP MED, LUNG INJURY &

INFLAMMAT RES GRP, NEWCASTLE RD, STOKE ON TREN ST4 6QG, STAFFS, ENGL (Reprint); NATL HEART & LUNG T, DEPT CYST FIBROSIS, IMPERIAL COLL, LONDON, ENGLAND
COUNTRY OF AUTHOR: ENGLAND
SOURCE: NEUROPEPTIDES, (APR 2000) Vol. 34, No. 2, pp. 98-107. Publisher: CHURCHILL LIVINGSTONE, JOURNAL PRODUCTION DEPT, ROBERT STEVENSON HOUSE, 1-3 BAXTERS PLACE, LEITH WALK, EDINBURGH EH1 3AF, MIDLOTHIAN, SCOTLAND. ISSN: 0143-4179.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 36
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 23 OF 26 SCISEARCH COPYRIGHT 2002 ISI (R)
ACCESSION NUMBER: 96:698437 SCISEARCH
THE GENUINE ARTICLE: VH329
TITLE: CLONING AND CHARACTERIZATION OF AN IGF-1 ISOFORM EXPRESSED IN SKELETAL-MUSCLE SUBJECTED TO STRETCH
AUTHOR: YANG S Y; ALNAQEEB M; SIMPSON H; GOLDSPINK G (Reprint)
CORPORATE SOURCE: ROYAL FREE HOSP, SCH MED, DEPT ANAT & DEV BIOL, ROWLAND HILL ST, LONDON NW3 2PF, ENGLAND (Reprint); ROYAL FREE HOSP, SCH MED, DEPT ANAT & DEV BIOL, LONDON NW3 2PF, ENGLAND; NUFFIELD ORTHOPAED CTR, NUFFIELD DEPT ORTHOPAED SURG, OXFORD OX3 7LD, ENGLAND; KUWAIT UNIV, DEPT ZOOL, KUWAIT, KUWAIT
COUNTRY OF AUTHOR: ENGLAND; KUWAIT
SOURCE: JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY, (AUG 1996) Vol. 17, No. 4, pp. 487-495. ISSN: 0142-4319.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 37
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 ANSWER 24 OF 26 USPATFULL
ACCESSION NUMBER: 2001:59863 USPATFULL
TITLE: Method of treating muscular disorders
INVENTOR(S): Goldspink, Geoffrey, London, United Kingdom
PATENT ASSIGNEE(S): University College London, London, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6221842	B1	20010424	
	WO 9733997		19970918	
APPLICATION INFO.:	US 1998-142583		19981029	(9)
	WO 1997-GB658		19970311	
			19981029	PCT 371 date
			19981029	PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1996-5124	19960311

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Russel, Jeffrey E.
LEGAL REPRESENTATIVE: Nixon & Vanderhye P.C.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 2
NUMBER OF DRAWINGS: 8 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 652
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 25 OF 26 USPATFULL
ACCESSION NUMBER: 97:22642 USPATFULL
TITLE: Production of insulin-like growth factor-1 in methylotrophic yeast cells
INVENTOR(S): Brierley, Russell A., Exton, PA, United States
Davis, Geneva R., San Diego, CA, United States
Holtz, Gregory C., San Diego, CA, United States
Gleeson, Martin A., San Diego, CA, United States
Howard, Bradley D., San Diego, CA, United States
PATENT ASSIGNEE(S): The Salk Institute, La Jolla, CA, United States (U.S.

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5612198		19970318
APPLICATION INFO.:	US 1994-308196		19940919 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1993-983523, filed on 3 Mar 1993, now abandoned which is a continuation-in-part of Ser. No. US 1990-578728, filed on 4 Sep 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Allen, Marianne P.
LEGAL REPRESENTATIVE: Seidman, StephanieBrown Martin Haller & McClain
NUMBER OF CLAIMS: 56
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 3107
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 26 OF 26 USPATFULL
ACCESSION NUMBER: 96:67933 USPATFULL
TITLE: Genes which influence pichia proteolytic activity, and uses therefor
INVENTOR(S): Gleeson, Martin A., San Diego, CA, United States
Howard, Bradley D., San Diego, CA, United States
PATENT ASSIGNEE(S): Salk Institute Biotechnology/Industrial Associates, La Jolla, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5541112		19960730
APPLICATION INFO.:	US 1994-245756		19940516 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1993-88633, filed on 6 Jul 1993, now patented, Pat. No. US 5324660 which is a continuation of Ser. No. US 1991-678916, filed on 1 Apr 1991, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Wax, Robert A.
ASSISTANT EXAMINER: Grimes, Eric
LEGAL REPRESENTATIVE: Seidman, StephanieBrown, Martin, Haller & McClain
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 15 Drawing Figure(s); 15 Drawing Page(s)
LINE COUNT: 2378
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s poly-3-hydroxy-butyrate
20 FILES SEARCHED...
30 FILES SEARCHED...
47 FILES SEARCHED...
L8 149 POLY-3-HYDROXY-BUTYRATE

=> DUP REM L8
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE, DRUGLAUNCH, DRUGMONOG2, DRUGUPDATES, FEDRIP, FOREGE, GENBANK, KOSMET, MEDICONF, PHAR, PHARMAML, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L8
L9 101 DUP REM L8 (48 DUPLICATES REMOVED)

=> s L9 AND nerv? OR nervous
19 FILES SEARCHED...
26 FILES SEARCHED...
39 FILES SEARCHED...
47 FILES SEARCHED...
L10 4113438 L9 AND NERV? OR NERVOUS

=> s L9 AND nerve
22 FILES SEARCHED...
47 FILES SEARCHED...
L11 6 L9 AND NERVE

=> D L11 IBIB

L11 ANSWER 1 OF 6 IFIPAT COPYRIGHT 2002 IFI

AN	10139850 IFIPAT;IFIUDB;IFICDB		
TITLE:	REPAIR OF ***NERVE*** DAMAGE		
INVENTOR(S):	Goldspink; Geoffrey, London, GB		
	Terenghi; Giorgio, London, GB		
PATENT ASSIGNEE(S):	Unassigned		
AGENT:	NIXON & VANDERHYE P.C. 8th Floor, 1100 North Glebe Rd., Arlington, VA, 22201-4714, US		

	NUMBER	PK	DATE
PATENT INFORMATION:	US 2002083477	A1	20020627
APPLICATION INFORMATION:	US 2001-852261		20010510

	NUMBER	DATE
PRIORITY APPLN. INFO.:	GB 2000-112789	20000510
FAMILY INFORMATION:	US 2002083477	20020627

DOCUMENT TYPE: Utility
Patent Application - First Publication
FILE SEGMENT: CHEMICAL
APPLICATION
NUMBER OF CLAIMS: 13 23 Figure(s).

DESCRIPTION OF FIGURES:

FIG. 1: Total numbers of motoneurones in the facial motor nucleus
KEY
1: normal
2: 1 month crush
3: 1 month avulsion
4: plasmid only-1 month avulsion
5: IGF-I plasmid-1 month avulsion
6: MGF plasmid-1 month avulsion
right: operated side; left: non-operated side

FIG. 2: Avulsion (control experiments)
(a) Low magnification view of a transverse section through the brainstem at the level of the facial nucleus, 1 month following facial ***nerve*** avulsion. Numbers of motoneurones in the facial nucleus of the operated side (b) are markedly reduced compared to the non-operated nucleus (arrow and inset c). 70 mu m vibratome section stained with YOYO and viewed using epifluorescence.

FIG. 3: Plasmid experiments
(a) Low magnification view of the brainstem at the level of the facial nucleus Plasmid DNA without any gene insert was injected into the right snout muscle. 7 days later the right facial ***nerve*** was avulsed and the animal allowed to survive for 1 month. Like the effect of avulsion only (FIG. 1), numbers of motoneurones in the facial nucleus of the operated side (c) are markedly reduced compared to the non-operated nucleus (arrow and inset b) 70 mu m vibratome section stained with YOYO and viewed using epiflourescence.

FIG. 4: MGF plasmid experiments
(a) Low magnification view of the brainstem at the level of the facial nucleus. Plasmid DNA containing the rat MGF gene was injected into the right snout muscle. 7 days later the right facial ***nerve*** was avulsed and the animal allowed to survive for 1 month Numbers of motoneurones in the facial nucleus of the operated side (b) are similar to the non-operated nucleus (arrow and inset c). 70 mu m vibratome section stained with YOYO and viewed using epiflourescence.

FIG. 5: cDNA and amino acid sequence of human MGF, showing its exon structure
FIG. 6: cDNA and amino acid sequence of rat MGF, showing its exon structure
FIG. 7: cDNA and amino acid sequence of rabbit MGF, showing its exon structure
FIG. 8: cDNA and amino acid sequence of human L.IGF-I, showing its exon structure
FIG. 9: cDNA and amino acid sequence of rat L-IGF-I, showing its exon structure
FIG. 10: cDNA and amino acid sequence of rabbit L-IGF-I, showing its exon structure
FIG. 11: Sequence alignment, illustrating exon structure of human, rat and rabbit MGF and L-IGF-I, and highlighting similarities and differences
FIG. 12. Staining for axon (Pan NF, in red in original colour) and supporting Schwann cells (S100, in green in original colour) showing axonal regeneration in the three experimental groups. The axon regrowth in the MGF group is more abundant and reaches further into the distal ***nerve*** than the axons in the other two experimental groups. Top centre; MGF, lower left; control with "empty" vector, lower right: L.IGF.

=> D L11 2-6 IBIB

L11 ANSWER 2 OF 6 USPATFULL

ACCESSION NUMBER:	2001:215082 USPATFULL
TITLE:	Therapeutic compositions
INVENTOR(S):	Veech, Richard L., Rockville, MD, United States
PATENT ASSIGNEE(S):	BTG International Limited, London, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6323237	B1	20011127
APPLICATION INFO.:	US 1999-397100		19990916 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 1998-US5072, filed on 17 Mar 1998		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-40858P	19970317 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	Reamer, James H.
LEGAL REPRESENTATIVE:	Nixon & Vanderhye
NUMBER OF CLAIMS:	19
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT:	2039

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 3 OF 6 USPATFULL

ACCESSION NUMBER:	2001:205943 USPATFULL
TITLE:	Therapeutic compositions
INVENTOR(S):	Veech, Richard L., Rockville, MD, United States
PATENT ASSIGNEE(S):	BTG International Limited (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001041736	A1	20011115
APPLICATION INFO.:	US 2001-843694	A1	20010430 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-397100, filed on 16 Sep 1999, PENDING Continuation of Ser. No. WO 1998-US5072, filed on 17 Mar 1998, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-40858P	19970317 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C., 8th Floor, 1100 N. Glebe Rd., Arlington, VA, 22201
NUMBER OF CLAIMS:	31
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	2 Drawing Page(s)
LINE COUNT:	1889

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 4 OF 6 USPATFULL

ACCESSION NUMBER:	2001:202234 USPATFULL
TITLE:	Therapeutic compositions
INVENTOR(S):	Veech, Richard Lewis, Rockville, MD, United States
PATENT ASSIGNEE(S):	BTG International Limited, London, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6316038	B1	20011113
APPLICATION INFO.:	US 1999-397109		19990916 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1998-GB5072, filed on 17 Mar 1998		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-40858P	19970317 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	Reamer, James H.
LEGAL REPRESENTATIVE:	Nixon & Vanderhye

NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 1821
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 6 USPATFULL
ACCESSION NUMBER: 2001:134247 USPATFULL
TITLE: Therapeutic compositions (II)
INVENTOR(S): Veech, Richard Lewis, Rockville, MD, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001014696	A1	20010816
APPLICATION INFO.:	US 2001-799124	A1	20010306 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. WO 1999-US21015, filed on 15 Sep 1999, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-100371P	19980915 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Nixon & Vanderhye, Eighth Floor, 1100 North Glebe Road, Arlington, VA, 22201-4714
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 1376
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 6 WPIDS (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: 2002-055585 [07] WPIDS
DOC. NO. CPI: C2002-015946
TITLE: Use of insulin-like growth factor-I (IGF-I) isoform known as mechano growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce motoneurone loss in response to ***nerve*** avulsion, to treat ***nerve*** damage.
DERWENT CLASS: B04 D16
INVENTOR(S): GOLDSPINK, G; TERENGHI, G
PATENT ASSIGNEE(S): (EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST; (UNLO) UNIV COLLEGE LONDON; (GOLD-I) GOLDSPINK G; (TERE-I) TERENGHI G
COUNTRY COUNT: 96
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001085781	A2	20011115	(200207)*	EN	65
AU 2001052439	A	20011120	(200219)		
US 2002083477	A1	20020627	(200245)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001085781	A2	WO 2001-GB2054	20010510
AU 2001052439	A	AU 2001-52439	20010510
US 2002083477	A1	US 2001-852261	20010510

FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 2001052439	A	Based on	WO 200185781

PRIORITY APPLN. INFO: GB 2000-11278 20000510

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32 FILES SEARCHED...
L12 5 L11 AND PERIPHERAL?

=> D L12 1-5 IBIB

L12 ANSWER 1 OF 5 IFIPAT COPYRIGHT 2002 IFI
AN 1013985 IFIPAT;IFIUDB;IFICDB
TITLE: REPAIR OF ***NERVE*** DAMAGE
INVENTOR(S): Goldspink; Geoffrey, London, GB
Terenghi; Giorgio, London, GB
PATENT ASSIGNEE(S): Unassigned
AGENT: NIXON & VANDERHYE P.C. 8th Floor, 1100 North Glebe Rd., Arlington, VA, 22201-4714, US

	NUMBER	PK	DATE
PATENT INFORMATION:	US 2002083477	A1	20020627
APPLICATION INFORMATION:	US 2001-852261		20010510

	NUMBER	DATE
PRIORITY APPLN. INFO.:	GB 2000-112789	20000510
FAMILY INFORMATION:	US 2002083477	20020627

DOCUMENT TYPE: Utility
Patent Application - First Publication
FILE SEGMENT: CHEMICAL
APPLICATION
NUMBER OF CLAIMS: 13 23 Figure(s).

DESCRIPTION OF FIGURES:
FIG. 1: Total numbers of motoneurones in the facial motor nucleus
KEY
1: normal
2: 1 month crush
3: 1 month avulsion
4: plasmid only-1 month avulsion
5: IGF-I plasmid-1 month avulsion
6: MGF plasmid-1 month avulsion
right: operated side; left: non-operated side
FIG. 2: Avulsion (control experiments)
(a) Low magnification view of a transverse section through the brainstem at the level of the facial nucleus, 1 month following facial ***nerve*** avulsion. Numbers of motoneurones in the facial nucleus of the operated side (b) are markedly reduced compared to the non-operated nucleus (arrow and inset c). 70 mu m vibratome section stained with YOYO and viewed using epifluorescence.
FIG. 3: Plasmid experiments
(a) Low magnification view of the brainstem at the level of the facial nucleus Plasmid DNA without any gene insert was injected into the right snout muscle. 7 days later the right facial ***nerve*** was avulsed and the animal allowed to survive for 1 month. Like the effect of avulsion only (FIG. 1), numbers of motoneurones in the facial nucleus of the operated side (c) are markedly reduced compared to the non-operated nucleus (arrow and inset b) 70 mu m vibratome section stained with YOYO and viewed using epiflourescence.
FIG. 4: MGF plasmid experiments
(a) Low magnification view of the brainstem at the level of the facial nucleus. Plasmid DNA containing the rat MGF gene was injected into the right snout muscle. 7 days later the right facial ***nerve*** was avulsed and the animal allowed to survive for 1 month Numbers of motoneurones in the facial nucleus of the operated side (b) are similar to the non-operated nucleus (arrow and inset c). 70 mu m vibratome section stained with YOYO and viewed using epiflourescence.
FIG. 5: cDNA and amino acid sequence of human MGF, showing its exon structure
FIG. 6: cDNA and amino acid sequence of rat MGF, showing its exon structure
FIG. 7: cDNA and amino acid sequence of rabbit MGF, showing its exon structure
FIG. 8: cDNA and amino acid sequence of human L.IGF-I, showing its exon structure
FIG. 9: cDNA and amino acid sequence of rat L-IGF-I, showing its exon structure
FIG. 10: cDNA and amino acid sequence of rabbit L-IGF-I, showing its exon structure
FIG. 11: Sequence alignment, illustrating exon structure of human, rat and rabbit MGF and L-IGF-I, and highlighting similarities and differences
FIG. 12. Staining for axon (Pan NF, in red in original colour) and supporting Schwann cells (S100, in green in original colour) showing axonal regeneration in the three experimental groups. The axon regrowth in the MGF group is more abundant and reaches further into the distal ***nerve*** than the axons in the other two experimental groups. Top centre; MGF, lower left; control with "empty" vector, lower right: L.IGF.

L12 ANSWER 2 OF 5 USPATFULL
ACCESSION NUMBER: 2001:215082 USPATFULL
TITLE: Therapeutic compositions

INVENTOR(S): Veech, Richard L., Rockville, MD, United States
PATENT ASSIGNEE(S): BTG International Limited, London, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6323237	B1	20011127
APPLICATION INFO.:	US 1999-397100		19990916 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 1998-US5072, filed on 17 Mar 1998

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-40858P	19970317 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Reamer, James H.
LEGAL REPRESENTATIVE: Nixon & Vanderhye
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 2039
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 5 USPATFULL
ACCESSION NUMBER: 2001:205943 USPATFULL
TITLE: Therapeutic compositions
INVENTOR(S): Veech, Richard L., Rockville, MD, United States
PATENT ASSIGNEE(S): BTG International Limited (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001041736	A1	20011115
APPLICATION INFO.:	US 2001-843694	A1	20010430 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-397100, filed on 16 Sep 1999, PENDING Continuation of Ser. No. WO 1998-US5072, filed on 17 Mar 1998, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-40858P	19970317 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Nixon & Vanderhye P.C., 8th Floor, 1100 N. Glebe Rd., Arlington, VA, 22201
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 1889
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 4 OF 5 USPATFULL
ACCESSION NUMBER: 2001:202234 USPATFULL
TITLE: Therapeutic compositions
INVENTOR(S): Veech, Richard Lewis, Rockville, MD, United States
PATENT ASSIGNEE(S): BTG International Limited, London, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6316038	B1	20011113
APPLICATION INFO.:	US 1999-397109		19990916 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. WO 1998-GB5072, filed on 17 Mar 1998

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-40858P	19970317 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Reamer, James H.
LEGAL REPRESENTATIVE: Nixon & Vanderhye
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 1821

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 5 OF 5 WPIDS (C) 2002 THOMSON DERWENT
ACCESSION NUMBER: 2002-055585 [07] WPIDS
DOC. NO. CPI: C2002-015946
TITLE: Use of insulin-like growth factor-I (IGF-I) isoform known as mechano growth factor which is encoded by IGF-I exons 4,5,6 and has ability to reduce motoneurone loss in response to ***nerve*** avulsion, to treat ***nerve*** damage.
DERWENT CLASS: B04 D16
INVENTOR(S): GOLDSPINK, G; TERENGHI, G
PATENT ASSIGNEE(S): (EGRI-N) EAST GRINSTEAD MEDICAL RES TRUST; (UNLO) UNIV COLLEGE LONDON; (GOLD-I) GOLDSPINK G; (TERE-I) TERENGHI G
COUNTRY COUNT: 96
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
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AU 2001052439	A	20011120	(200219)		
US 2002083477	A1	20020627	(200245)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
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AU 2001052439	A	AU 2001-52439	20010510
US 2002083477	A1	US 2001-852261	20010510

FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 2001052439	A	Based on	WO 200185781

PRIORITY APPLN. INFO: GB 2000-11278 20000510

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